

# ASLP- 3.5 Proximal Tibia Plate, Low Bend



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## System Overview :

The 3.5 mm Proximal Tibia Locking Plate - Low Bend is designed for the fixation of proximal tibial fractures. The plate integrates **locking screw technology with conventional compression plating principles**, providing stable fixation for a wide range of fracture patterns.

The plate features a **low-profile, limited-contact design** to help preserve periosteal blood supply while minimizing soft-tissue irritation. The anatomically contoured head allows placement of **multiple 3.5 mm locking screws**, enabling a **subchondral rafting configuration** to support the articular surface and maintain reduction. This construct helps resist articular depression and provides **angular stability**.

The shaft incorporates **combination holes**, allowing surgeons to use either **locking screws for fixed-angle stability** or **cortical screws for compression**, providing flexibility in fracture management.

This versatile design supports **stable fixation, improved fragment support, and controlled compression**, making it suitable for modern proximal tibia fracture management.

## Indications

- Extra-articular and intra-articular proximal tibia fractures.
- Lateral, medial, and bicondylar tibial plateau fractures.
- Split, wedge, depression-type, and comminuted fracture patterns.
- Fractures extending into the tibial shaft.
- Periprosthetic fractures around the knee.
- Nonunions and malunions.
- Osteopenic or compromised bone.

## Features

Available in left and right configurations and manufactured from implant-grade titanium alloy for strength and biocompatibility.

### Plate Head

- Anatomically contoured to match the lateral proximal tibia.
- Four convergent threaded holes accepting **3.5 mm locking screws**.
- Three **1.5 mm K-wire holes** for provisional fixation or meniscal repair.

### Plate Shaft


- Available with **4–16 shaft holes** to accommodate varied fracture patterns.
- Three locking holes distal to the plate head accept **3.5 mm locking screws with angled trajectories** to converge with proximal screws, providing **enhanced medial fragment support**.

### Combi Hole Design

- Combi holes combine **locking and compression capability**.
- Accept **3.5 mm locking screws** or **3.5 mm cortical/shaft screws**.



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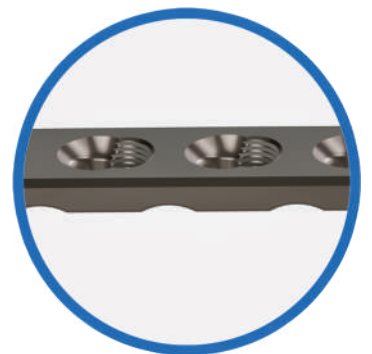
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- The image shows a long, dark-colored metal plate with a curved proximal end and a straight shaft. It features several circular holes along its length, including an elongated combi hole. The proximal end has a hook-like shape with two undercut K-wire holes. The shaft has a series of locking holes, some with undercuts. The distal end has a hole for an articular tension device.
- Undercut K-wire holes for provisional fixation and suture passage
  - Anatomically contoured proximal design for improved bone fit
  - Accept 3.5mm locking screw for plate positioning and medial fracture support
  - Elongated combi hole for precise plate positioning
  - Available in multiple shaft lengths
  - Undercuts help preserve periosteal blood supply
  - Accept articular tension device for compression



- Undercuts added to K-wire holes for easier suture needle passing



- Parallel locking screw configuration for subchondral support



- Undercuts help preserve periosteal blood supply



### ASLP 3.5 Proximal Tibia Plate, Low Bend

PT505.04.01	PT505.04.02
Right   4 Holes	Left   4 Holes

PT505.06.01	PT505.06.02
Right   6 Holes	Left   6 Holes

PT505.08.01	PT505.08.02
Right   8 Holes	Left   8 Holes

PT505.10.01	PT505.10.02
Right   10 Holes	Left   10 Holes

PT505.12.01	PT505.12.02
Right   12 Holes	Left   12 Holes

PT505.14.01	PT505.14.02
Right   14 Holes	Left   14 Holes

PT505.16.01	PT505.16.02
Right   16 Holes	Left   16 Holes



### 3.5 mm Locking Screw, Self-tapping

| Length 8 to 50 mm (2 mm increment)  
Also available in *ST032.08 to ST032.50*

| Length 35mm & 45mm  
Also available in *ST032.35 & ST032.45*

| Length 55 to 100 mm (5 mm increment)  
Also available in *ST032.55 to ST032.100*

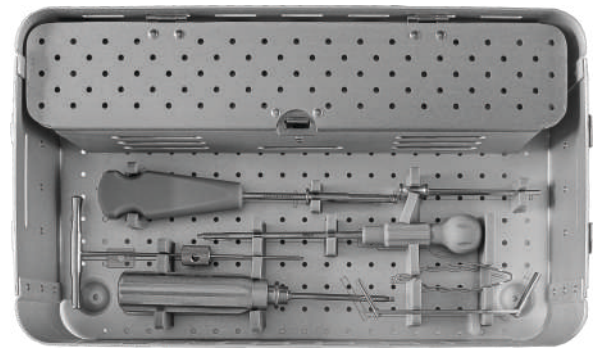
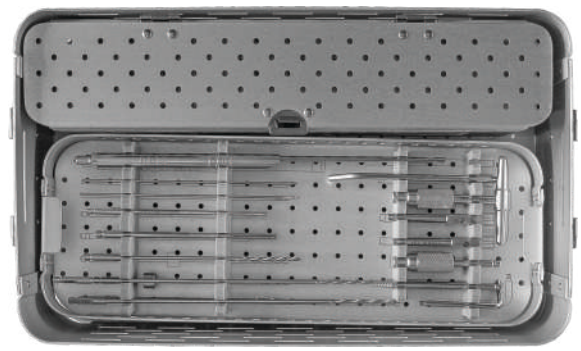


### 3.5 mm Cortex Screw, Self-tapping

| Length 12 to 60 mm (2 mm increment)  
Also available in *ST028.12 to ST028.60*

| Length 45  
Also available in *ST028.45*

## Instrument Set



## Miraclus Orthotech Pvt. Ltd.

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